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HAHN AND ASSOCIATES, INC.
ENVIRONMENTAL CONSULTANTS

October 18, 2000

Mr. Terry Redeau
City of Portland, Office of Transportation
1120 SW 5th Avenue, Rm 825
Portland, Oregon 97204-1971

HAI Project No. 5106

Subject: Addendum to Permit Application for the Installation of Soil Borings in City of
Portland Right-of-Way, Port of Portland Marine Terminal 1 Redevelopment,
2100 NW Front Avenue, Portland, Oregon

Dear Mr. Redeau:

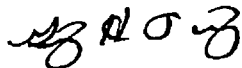
At your request, Hahn and Associates, Inc. (HAI) has added additional reference measurement data to Figures 2a and 2b regarding HAI's October 12, 2000, right-of-way permit application¹ submitted to the City of Portland. The updated figures were requested during an October 18, 2000, telephone communication with the City of Portland (Terry Redeau to Guy Tanz).

Please find attached revised Figures 2a and 2b that include a primary reference point of the intersection of the street centerline of NW 15th Avenue with NW Front Avenue. Secondary reference points are provided and include the intersection of the northwest curblane of NW 17th Avenue with NW Front Street, and Southwest curblane of NW 21st Avenue with NW Front Street.

Push probe installation activities are tentatively scheduled for October 26 and 27, 2000, and as such, your attention to expediting the remaining requested permit activities would be greatly appreciated. At your direction, a traffic control plan was prepared and submitted to the City of Portland. The traffic control plan was approved on October 16, 2000, by the City of Portland Bureau of Transportation System Management.

If you have any questions or require additional information, please contact the undersigned.

Sincerely,



Guy H. Tanz
Associate

attachments (2)

c: Mr. Joe Mollusky, the Port of Portland

¹ Hahn and Associates, Inc. (2000). *Permit Application for the Installation of Soil Borings in City of Portland Right-of-Way, Port of Portland Marine Terminal 1 Redevelopment, 2100 NW Front Avenue, Portland, Oregon*. October 23, 2000.

434 NW 6th AVENUE, SUITE 203 • PORTLAND, OREGON 97209-3651
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Proposed Boring Locations

Right of Way Permit Request
Data Gap Investigation for
Supplemental Site Characterization
Port of Portland Marine Terminal 1
2100 NW Front Avenue
Portland, Oregon

HAHN and ASSOCIATES
INCORPORATED

ENVIRONMENTAL MANAGEMENT
434 NW SIXTH AVENUE, SUITE 203
PORTLAND, OREGON 97209
503/796-0717

FIGURE

2a

HAI Project
No. 5106

October 2000

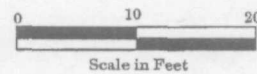
LEGEND

- ⊕ Former Push Probe Boring
- ⊕ Proposed Boring Location
- Underground Utility
- Area Requested for Right-of-Way Access

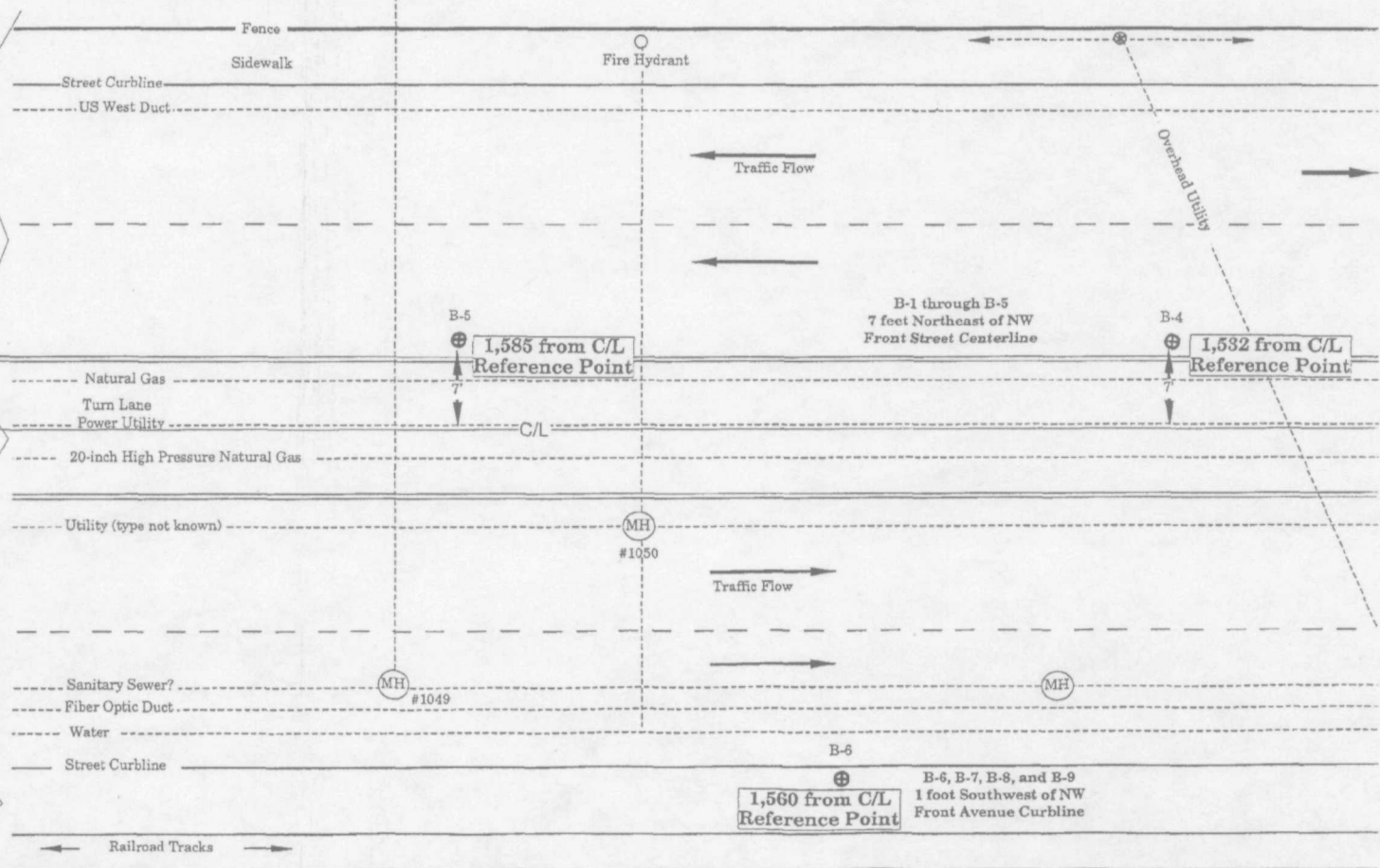
Port of Portland Marine
Terminal 1 South
2100 NW Front Avenue

B-44/GW-15

B-48



Secondary Reference Point #1:
Intersection of SW Curbside at
NW 21st Avenue with NW
Front Street



POPT1S601358

B-38/GW-3
⊕

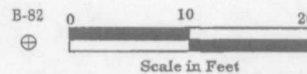
B-49
⊕

Port of Portland Marine
Terminal 1 South
2100 NW Front Avenue

B-45/GW
⊕

LEGEND

- ⊕ Former Push Probe Boring
- ⊕ Proposed Boring Location
- Underground Utility
- Area Requested for Right-of-Way Access



Proposed Boring Locations

Right of Way Permit Request
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Port of Portland Marine Terminal 1
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INCORPORATED**

ENVIRONMENTAL MANAGEMENT
434 NW SIXTH AVENUE, SUITE 203
PORTLAND, OREGON 97209
503/796-0717

FIGURE

2b

HAI Project
No. 5106

October 2000

B-39/GW-10
⊕

US West Duct

Traffic Flow

**Primary Reference Point:
Intersection of Street
Centerlines of NW 15th
Avenue with NW Front Street**

B-1 through B-5
7 feet Northeast of NW
Front Street Centerline

B-3
⊕ 1,476 from C/L
Reference Point

B-2
⊕ 1,420 from C/L
Reference Point

B-1
⊕

Turn Lane

C/L

al Gas

C/L

Distance From Reference Point
Primary = 1,476 feet
(centerline intersection of NW 15th
Avenue with NW Front Street)
Secondary #1 = 1,298 feet
Secondary #2 = 475 feet

MH
#1051

Power Utility

20-inch High Pressure Natural Gas

Utility (type not known)

Traffic Flow

**Alternate Secondary
Reference Point #2:
Intersection of NW Curbside at
NW 17th Avenue with NW
Front Street**

B-7
⊕

B-6, B-7, B-8, and B-9
1 foot Southwest of NW
Front Avenue Curbside

B-8
⊕

1,445 from C/L
Reference Point

B-9
⊕

1,395 from C/L
Reference Point

1,498 from C/L
Reference Point

Location =

Sanitary Sewer?

Fiber Optic Duct

Water

Street Curbside

POPT1S601359